

## Abstract

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A combustion control method for a burner comprises: the fuel supplying means outputs a given amount of fuel oil to the fuel oil atomizing means; the fuel atomizing means sprays fuel atomized gas; said gas is ignited by the igniter; the amount of air is sent to facilitate burning by the air blowing means; the outputting flow rate of fuel oil and the flow rate of air are adjusted automatically, simultaneously and proportionally by controlling the rotating speed of the electric motors of the fuel supplying means and the air blowing means. An autocontrol burner comprises a main body, an oil pump (2), a blower fan (1), a spray gun (9) and an ignition gun (10), and further comprises a programmable control unit (18), motor speed controller (16,17) and a signal acquisition assembly. The output port of the signal acquisition assembly is connected with the input port of the programmable control unit (18). The oil pump (2) and the blower fan (1) are connected with the programmable control unit (18) by the motor speed controller (16, 17).